

**Detailed Claim Listing**

The following is a detailed listing of all claims that are, or were, pending in the present application. Claims 1-63 were previously cancelled, and new claims 72-83 have been added as set forth in this detailed listing. Thus, claims 64-83 are currently pending.

1-63. (*Cancelled*)

64. (*Previously Presented*) An actuator for a heart assist device, the actuator comprising:

- (a) a flexible balloon comprising:
  - (i) a tubular neck portion;
  - (ii) a first body portion coupled to the neck portion;
  - (iii) a second body portion; and
  - (iv) a flexure portion coupled to the first body portion and the second body portion,wherein the balloon comprises an inflated configuration and a deflated configuration in which a portion of the second body portion is in contact with the first body portion; and
- (b) a bushing disposed within and extending from the tubular neck portion of the balloon, the bushing comprising a bore, wherein the bushing is configured to be coupleable to an external fluid line.

65. (*Previously Presented*) The actuator of claim 64, further comprising a restraint component comprising a hole, wherein the restraint component is a shroud or a wrap.

66. (*Previously Presented*) The actuator of claim 65, wherein the restraint component is a wrap configured to be disposed around the flexible balloon and an exterior of a patient's arterial vessel.

67. (*Previously Presented*) The actuator of claim 64, wherein the balloon is formed from silicone, polyurethane, or a polyurethane-polysiloxane block copolymer.

68. (*Previously Presented*) An actuator for a heart assist device, the actuator comprising:

- (a) a restraint component comprising a hole; and
- (b) a flexible balloon comprising:

- (i) a tubular neck portion disposed through the hole in the restraint component;
- (ii) a first body portion coupled to the neck portion, wherein the first body portion is unattachedly disposed adjacent to the restraint component;
- (iii) a second body portion; and
- (iv) a flexure portion coupled to the first body portion and the second body portion,

wherein the balloon comprises a deflated configuration and an inflated configuration in which at least a portion of the first body portion is displaced inwardly away from the restraint component.

69. *(Previously Presented)* The actuator of claim 68, wherein the restraint component comprises a shroud or a wrap.

70. *(Previously Presented)* The actuator of claim 68, wherein the restraint component comprises a wrap configured to be disposed around the flexible balloon and an exterior of a patient's arterial vessel.

71. *(Previously Presented)* The actuator of claim 68, wherein the balloon is formed from silicone, polyurethane, or a polyurethane-polysiloxane block copolymer.

72. *(New)* The actuator of claim 64, wherein the bore comprises at least one internal projection disposed within the bore.

73. *(New)* The actuator of claim 72, wherein the at least one internal projection comprises at least one flute, at least one rib, or at least one secondary lumen.

74. *(New)* The actuator of claim 64, wherein the flexure portion has a radius of curvature of at least 0.1 mm in the inflated configuration.

75. *(New)* The actuator of claim 64, wherein the heart assist device is an extra-aortic counterpulsation heart assist device.

76. (New) The actuator of claim 65, wherein the restraint component is disposed against an exterior portion of the tubular neck portion of the balloon, thereby resulting in a snug sealing fit between the restraint component and the tubular neck portion.

77. (New) The actuator of claim 68, further comprising a bushing disposed within and extending from the tubular neck portion of the balloon, the bushing comprising a bore, wherein the bushing is configured to be coupleable to a fluid line.

78. (New) The actuator of claim 77, wherein the bore comprises at least one internal projection disposed within the bore.

79. (New) The actuator of claim 78, wherein the at least one internal projection comprises at least one flute, at least one rib, or at least one secondary lumen.

80. (New) The actuator of claim 68, wherein the flexure portion has a radius of curvature of at least 0.1 mm in the inflated configuration.

81. (New) The actuator of claim 68, wherein the flexible balloon has a thickness ranging from about 150 microns to about 300 microns.

82. (New) The actuator of claim 68, wherein the heart assist device is an extra-aortic counterpulsation heart assist device.

83. (New) The actuator of claim 68, wherein the restraint component is disposed against an exterior portion of the tubular neck portion of the balloon, thereby resulting in a snug sealing fit between the restraint component and the tubular neck portion.